

Sheets of Drawings: 1 of 16

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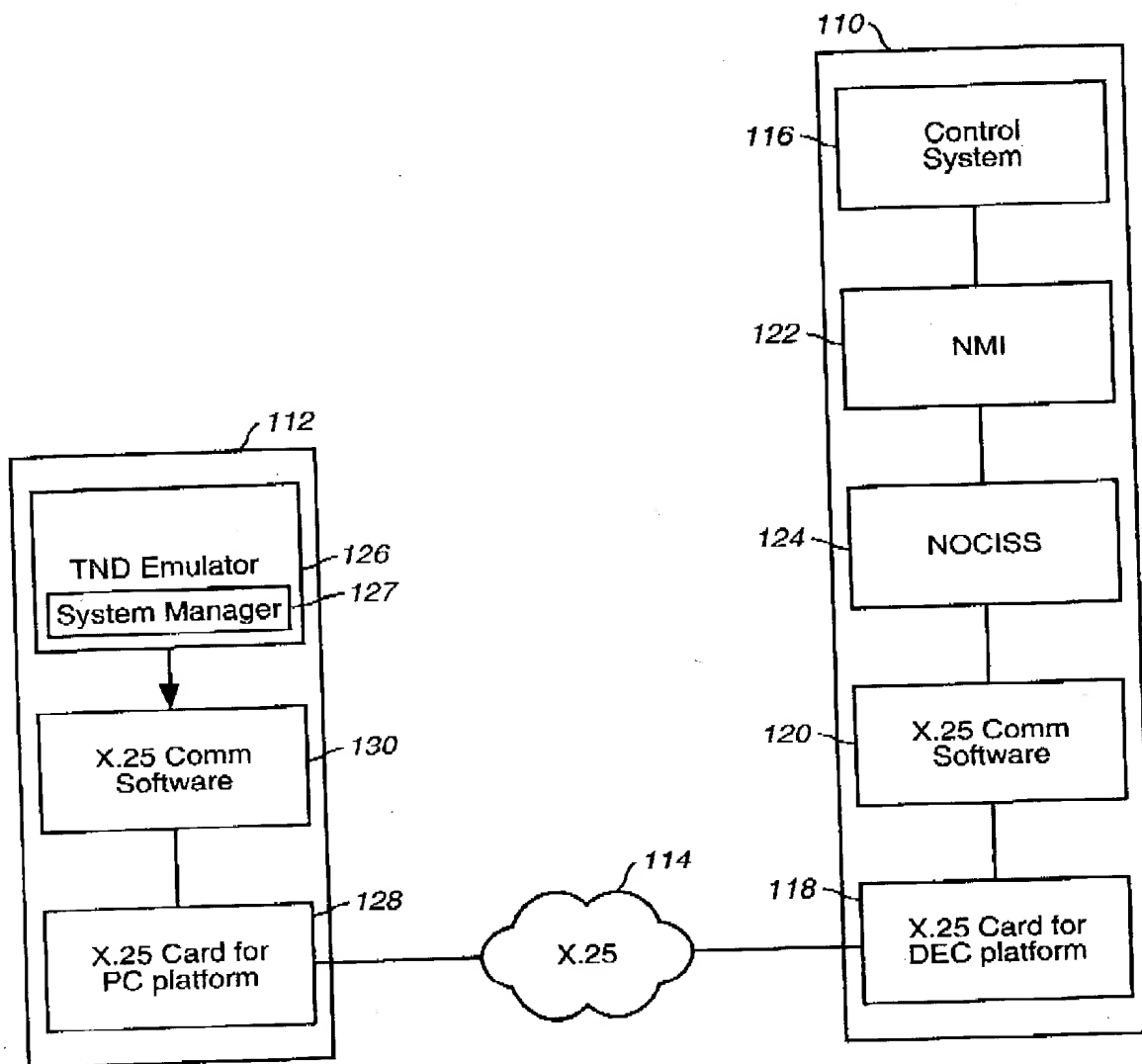


FIG. 1

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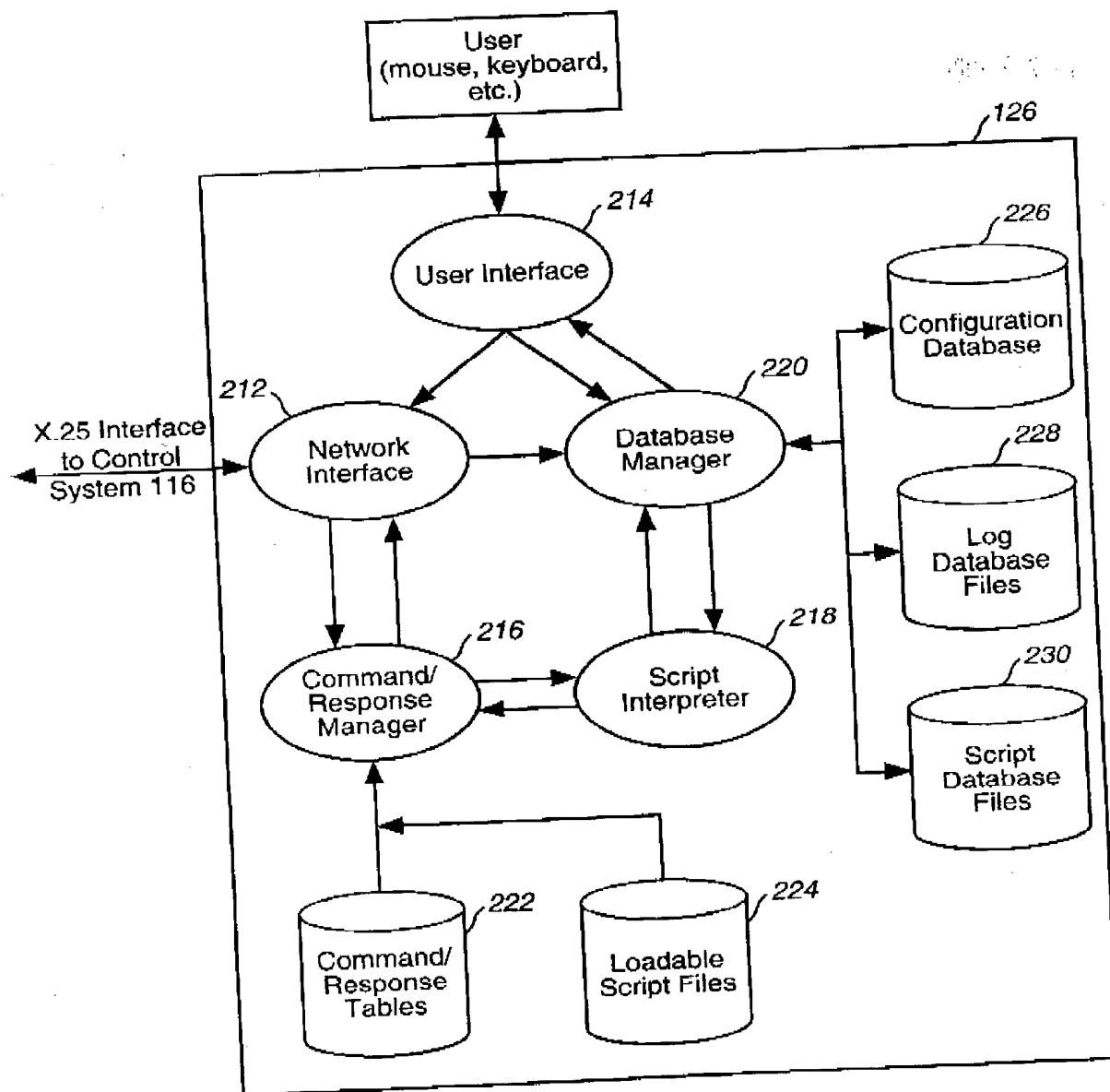
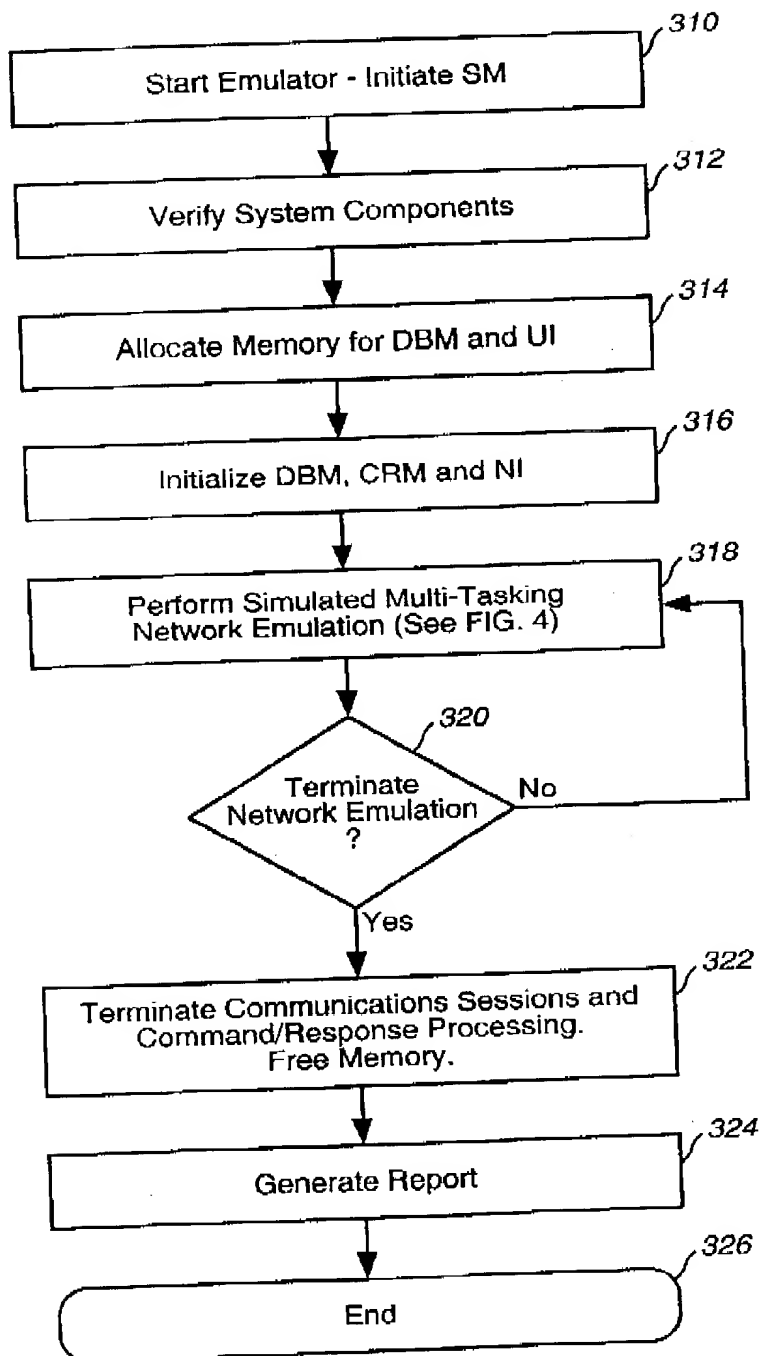


FIG. 2

Sheets of Drawings: 3 of 16

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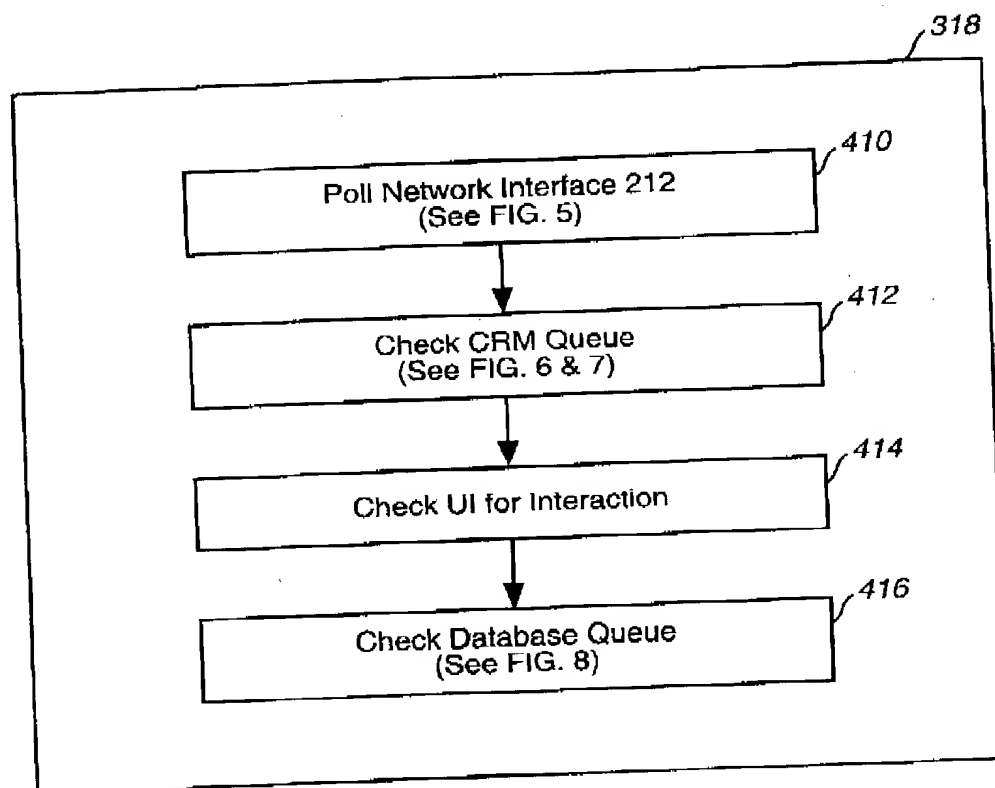


System Manager

FIG. 3

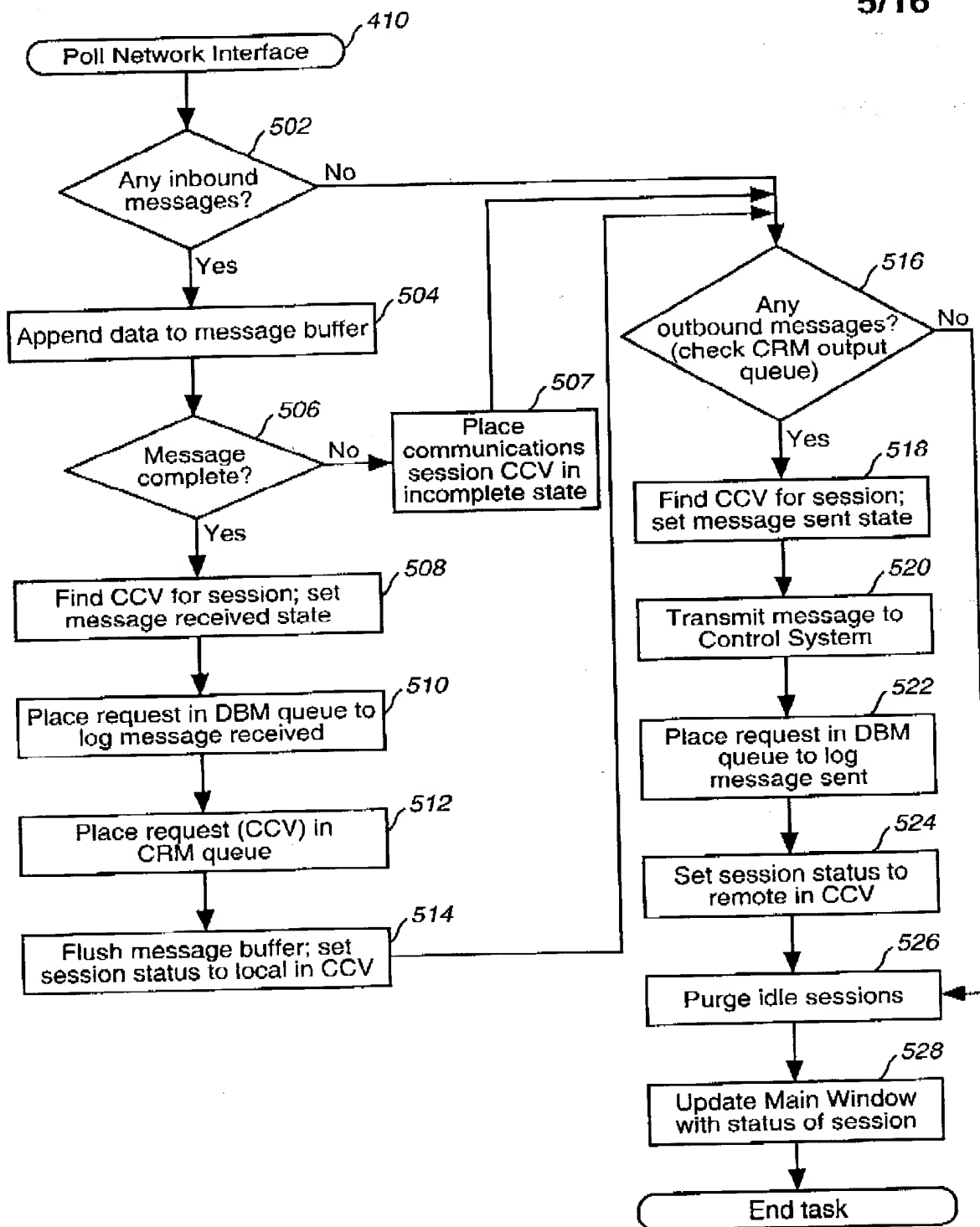
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Simulated Multitasking

FIG. 4



Polling Network Interface

FIG. 5

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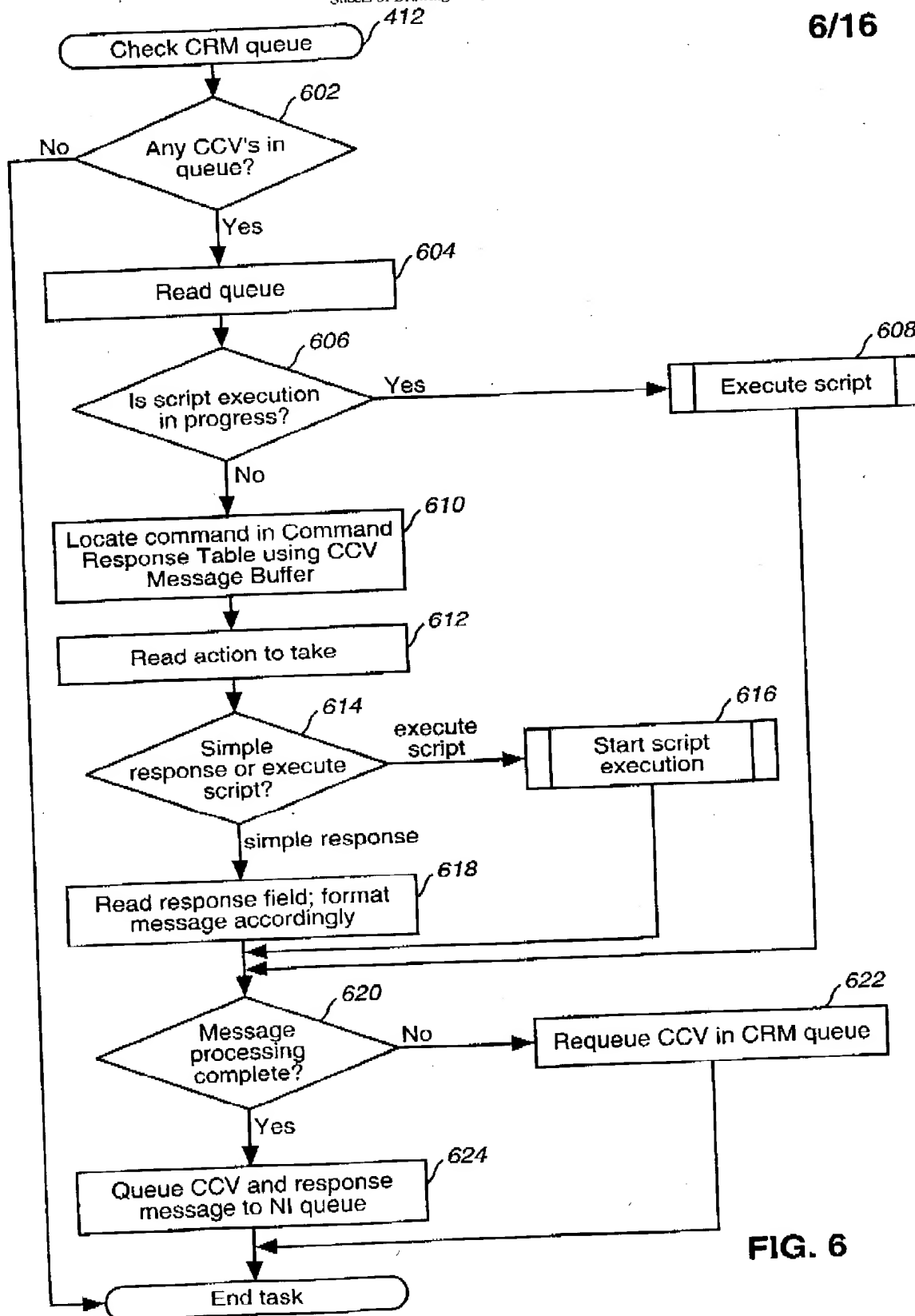


FIG. 6

App. No.: 08/987,849
 Title: System and Method for Managing Computer System Resources Using...
 Inventors: McLain Jr. et al.
 Confirmation No.: 6786

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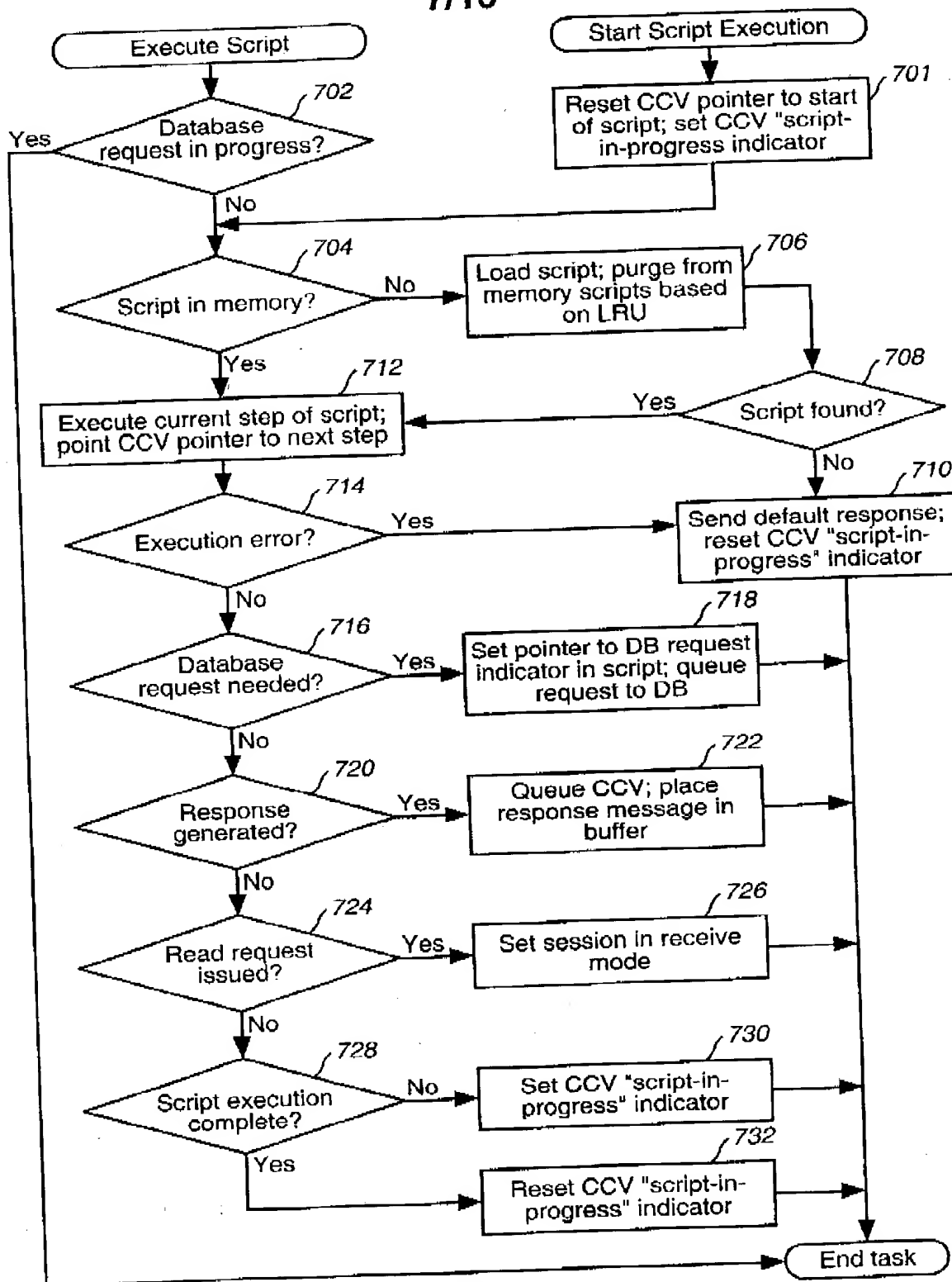
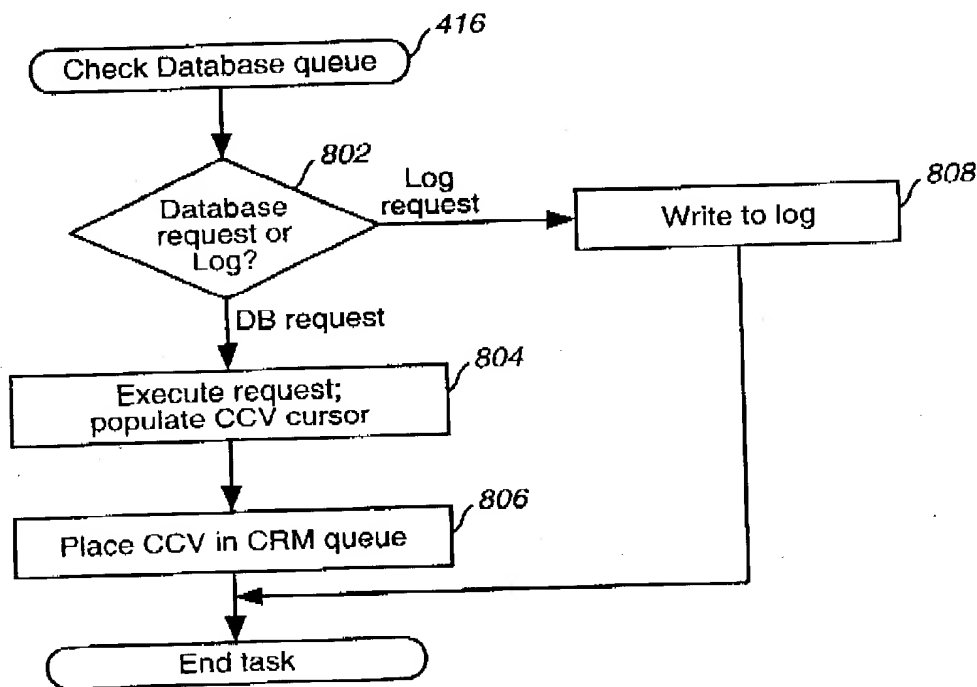


FIG. 7

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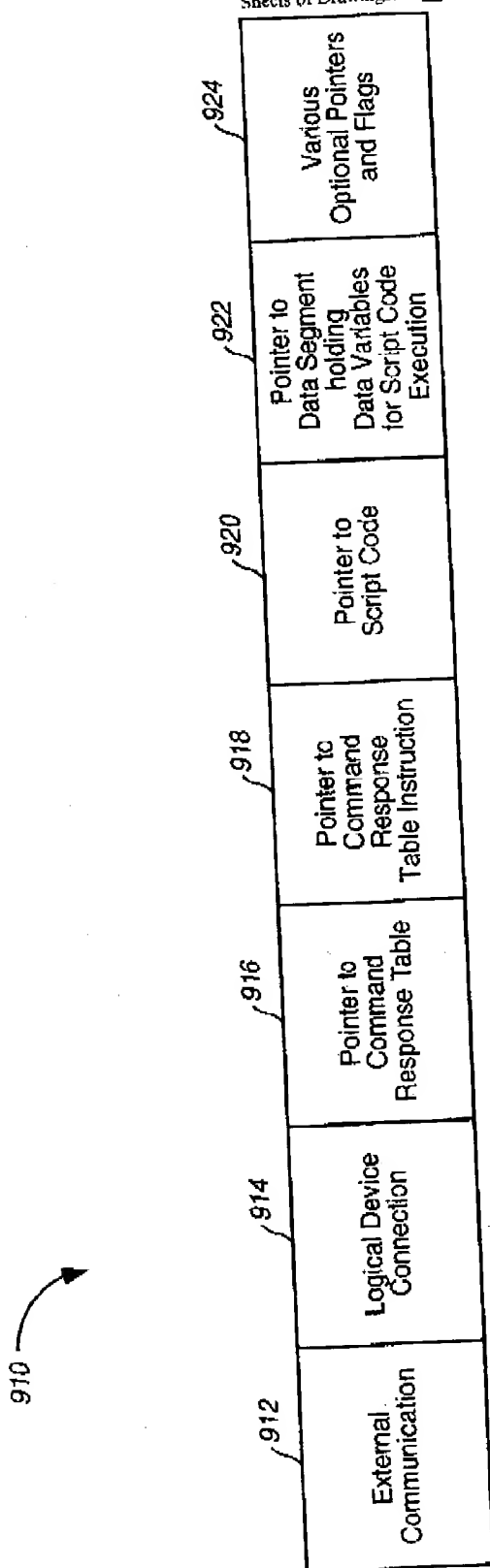


Checking Database Queue

FIG. 8

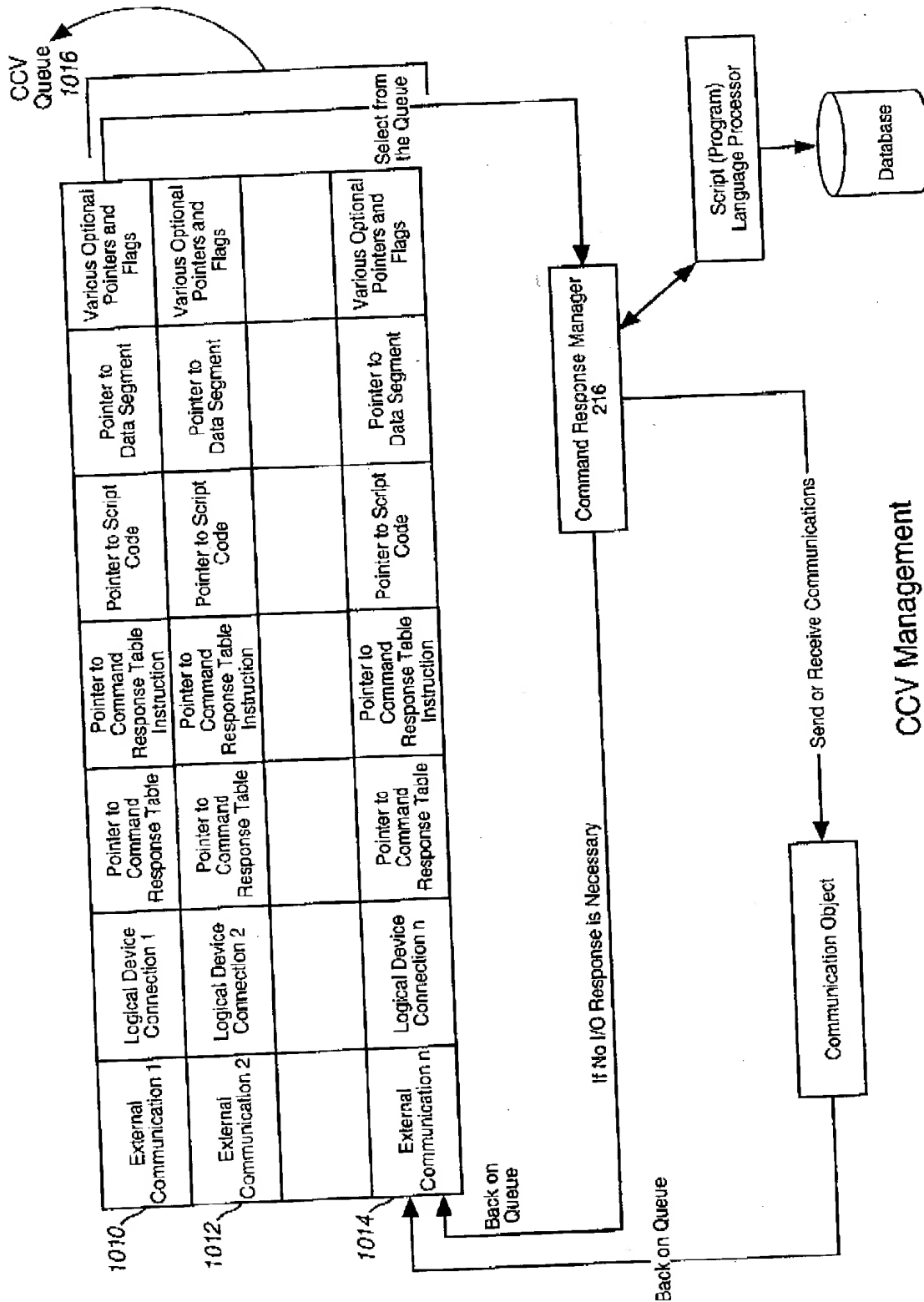
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Command Control Vector

FIG. 9

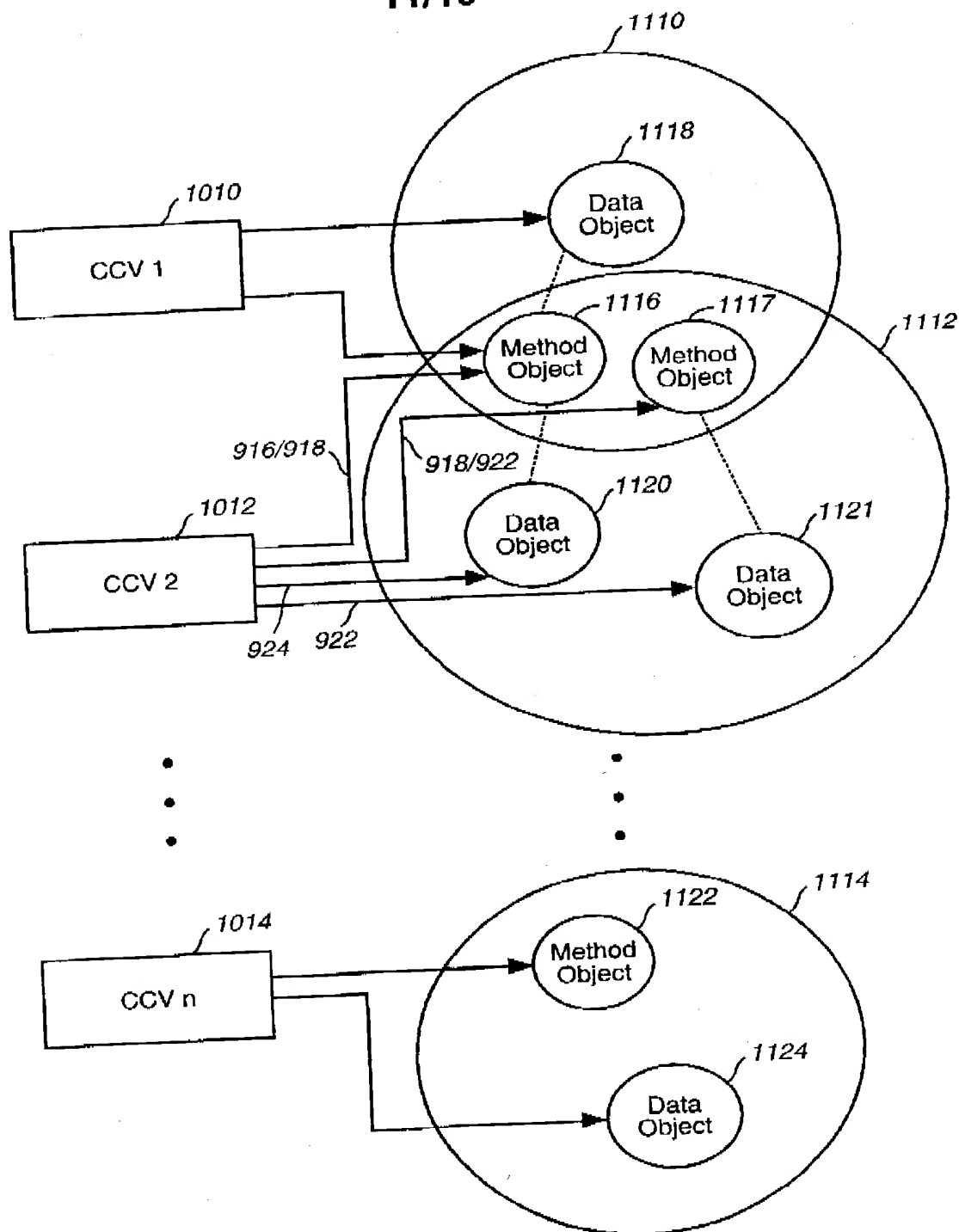


CCV Management

FIG. 10

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Virtual Objects

FIG. 11

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| Field Name | Type | Index | Description |
|------------|------|-------|-----------------------|
| FinID | A5 | Y | Finance ID |
| DevType | A8 | Y | Generic Name of Table |
| DOSName | A8 | N | Unique DOS File Name |

Table 5

| Field Name | Type | Index | Description |
|------------|------|-------|--------------------|
| DevID | A1 | Y | Valid Device ID |
| DevType | A8 | N | Valid Device Types |

Table 1

| Field Name | Type | Index | Description |
|------------|------|-------|---|
| Time | N | N | Time of event in HHMMSSSS format |
| Task | N | N | Task No. corresponding to Virtual Circuit Posting Log Message |
| Message | A80 | N | Message posted |

Table 3: Trace Log

| Field Name | Type | Index | Description |
|------------|------|-------|--|
| Time | N | N | Time of event in HHMMSSSS format |
| FinID | A8 | N | Finance ID of Session Logging Message |
| SessNo | A8 | N | Session No. corresponding to the Virtual Circuit Posting Log Message |
| Message | A80 | N | Message posted |

Table 4: Communications Log

| DevID | DevType |
|-------|---------|
| 1 | DMS250 |
| 2 | DEX |
| 3 | CTS |
| 4 | SCX |
| 5 | AXE |
| 6 | DEX600E |
| 8 | STP |
| 9 | DAO |
| A | DXC |
| B | ESF |
| C | AP |
| D | CAC |
| E | DIM |
| F | LSE |
| G | MRS |
| H | SITECN |
| J | APC |
| K | {unk} |
| N | GATEW |
| P | PRESID |
| S | NAOM |
| T | DAOM |

Table 2

Database Tables for Configuration Database 226

FIG. 12

No.: 08/987,849
 Title: System and Method for Managing Computer System Resources Using...
 Inventors: Melain Jr. et al.
 Confirmation No.: 6786

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1

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3

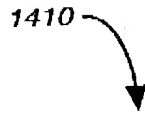
4

| Main Window | | | | | | | | | | |
|----------------------------------|-----------|----------|---------|-----------|----------|-------|----------|----------|-------|-----------|
| Realnet 332288 \ 15:00:14 V1.00c | | | | | | | | | | |
| (c)MCI 1992 | | | | | | | | | | |
| V-C # | Fin-Id | Dev-Type | V-C # | Fin-Id | Dev-Type | V-C # | Fin-Id | Dev-Type | V-C # | |
| → 001 | 1 | ATL2 | DEX600E | 021 | 1 | ATL2 | DEX600E | 041 | 1 | |
| 002 | 1 | POW2 | | 022 | | | | 042 | | |
| 003 | 1 | GRN14 | | 023 | | | | 043 | | |
| 004 | 1 | | | 024 | | | | 044 | | |
| 005 | 1 | | | 025 | | | | 045 | | |
| 006 | 1 | | | 026 | | | | 046 | | |
| 007 | 1 | | | 027 | | | | 047 | | |
| 008 | 1 | | | 028 | | | | 048 | | |
| 009 | 1 | | | 029 | | | | 049 | | |
| 010 | 1 | | | 030 | | | | 050 | | |
| 011 | 1 | | | 031 | | | | 051 | | |
| 012 | 1 | | | 032 | | | | 052 | | |
| 013 | 1 | | | 033 | | | | 053 | | |
| 014 | 1 | | | 034 | | | | 054 | | |
| 015 | 1 | | | 035 | | | | 055 | | |
| 016 | 1 | | | 036 | | | | 056 | | |
| 017 | 1 | | | 037 | | | | 057 | | |
| 018 | 1 | | | 038 | | | | 058 | | |
| 019 | 1 | | | 039 | | | | 059 | | |
| 020 | 1 | | | 040 | | | | 060 | | |
| ANICLS | | | | | | | | | | |
| ANINDX | | | | | | | | | | |
| FINDR | | | | | | | | | | |
| GAP | | | | | | | | | | |
| Config | Real Time | | | Trace Log | | | Comm Log | | | Terminate |

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The Command Response Manager uses a Command Response Table to generate responses to messages.

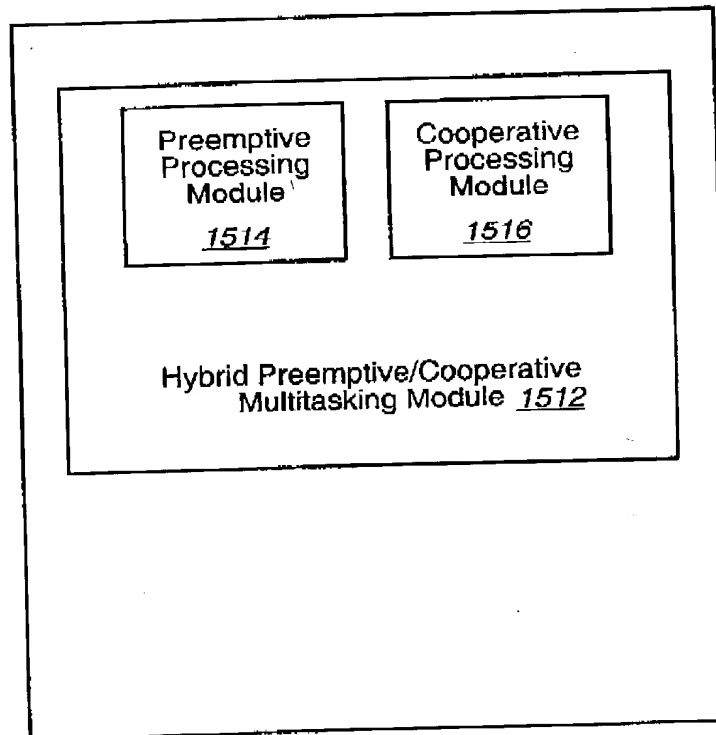
| | Column | Size | Description |
|------|----------------|--------------------------|---------------------------------|
| 1412 | Entry | integer | Unique Identifying Number |
| 1414 | Command | Varying 0-256 characters | Selection Criteria |
| 1416 | Response | Varying 0-256 characters | Response Text String |
| 1418 | Next Response | integer | pointer to next response entry |
| 1420 | Next Command | integer | pointer to next command entry |
| 1422 | Next Condition | integer | pointer to next condition entry |
| 1424 | Repeat | integer | repeat this message n times |
| 1426 | Delay | integer | delay message n seconds |

Command Response Table Format

FIG. 14

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System Manager 127

FIG. 15

Sheets of Drawings: 16 of 16

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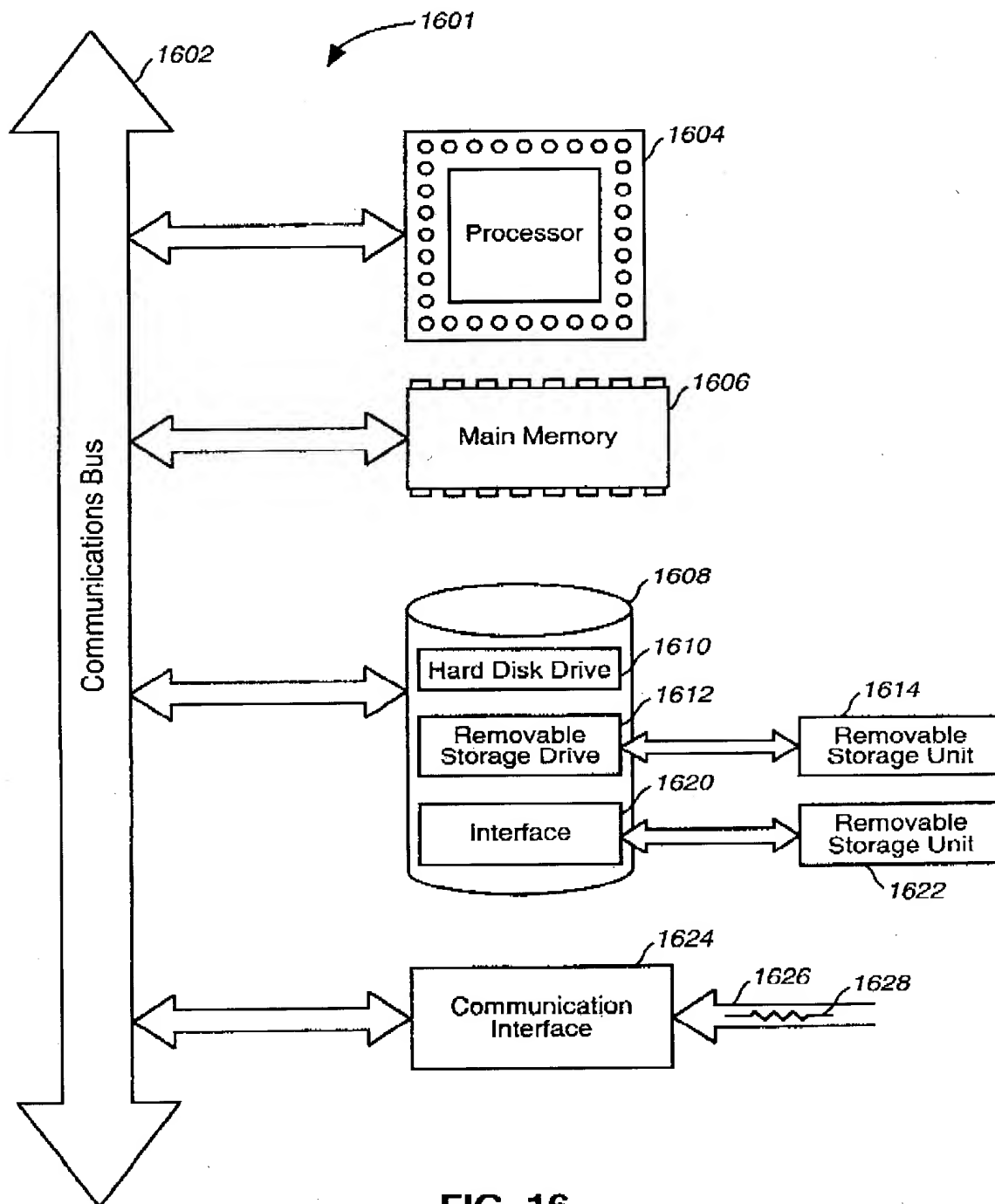


FIG. 16